

Internet Assigned Numbers Authority
Monthly Report
April 15, 2008

*For the Reporting period of
March 1, 2008 – March 31, 2008*

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Executive Summary

This monthly report provides statistical information of IANA operations as they relate to the IETF. Also included are the deliverables for this reporting period in accordance with the SLA between ICANN and the IAOC with the effective date 1 January 2008.

Statistics

As outlined in the IETF–IANA SLA, IANA is tasked with collecting and reporting on IETF-related statistics.

Below you will find the list of statistics as requested by the SLA, a description of what queue’s statistics are being provided to fulfill that deliverable and an analysis of the data for each queue. The actual charts representing the data can be found at <http://www.iana.org/reporting-and-stats/index.html>.

This month’s statistics were generated through running scripts against a ticketing system log database. The charts were generated using java program using Jfreechart library. Full automation has not yet been reached however and IANA continues to work through the remaining challenges to fully automate the statistic reports and charts.

The following types of charts have been defined for each queue for the reporting year 2008:

- Month to month comparison histogram of requests created/closed/open
- Month to month comparison histogram of age groups of closed tickets
- This month’s absolute age of closed requests
- Month to month comparison histogram of age groups of open tickets
- This month’s absolute age and current state of open requests
- Month to month comparison of mean, median and standard deviation for processing times of closed tickets
- Histogram for cumulative IETF requests for created/closed/resolved at the end of the reporting period and the year to date.

IESG approved documents (a)

Requests in the “drafts-approval” queue begin at the time IANA receives a notification of an approval or intent to publish a document and end when the RFC-Editor has acknowledged receipt of the notification of completed actions by IANA

DRAFTS-APPROVAL QUEUE

IANA completed a total of 13 requests for the month of March (8 of which were NO IC). 100% of the total requests (including documents with NO IC) were completed within the goal of 14 IANA days or less. For the 5 documents that had IANA actions, the total

processing time for all those requests was not more than 4 days. These requests did not spend more than 3 days with IANA.

As of the last day of March, there were 5 requests open. One request remains on hold and has been open for 154 days. This document continues to wait for another document to be approved before IANA can complete the actions. Two requests are waiting on the Area Directors to provide feedback to the IANA. The remaining 2 requests were being processed as normal.

Reference Updates (b)

The requests in the “drafts-update-refs” queue begins at the time the RFC-Editor notifies IANA of the RFC number assigned to a document that had actions performed by IANA and ends with IANA updating all references to the document in IANA registries.

DRAFTS-UPDATE-REFS QUEUE

IANA completed a total of 15 requests for the month of March. 100% of the requests were completed within the 7 IANA day goal range. The highest total processing days for these requests was 1 day. As of the end of the month, there were no requests open.

Last Calls (c)

Requests begin at the time IANA receives a notification of Last Call from the IESG and ends with IANA submitting official comments to the IESG. Each request in the statistics represents a separate/individual Last Call, even if the Last Call is being repeated.

DRAFTS-LASTCALL QUEUE

A total of 34 requests were completed for the month of March. 97% of the requests were completed within their time goals (breakdown below). The 1 request not completed within its 3-week goal range was 1 day late, however the comments were sent in by the given due date.

Last Call Time Frame	Total Requests	Completed on time
2 weeks	22	22
3 weeks	9	8
4 weeks	2	2
5 weeks	1	1

As of the end of the month there were 17 open requests. All open requests were still within the goal times.

Evaluations (d)

Requests begin at the time IANA receives a notification of Evaluation from the IESG and ends with IANA submitting official comments to the IESG. Each request in the statistics represents a separate/individual Evaluation, even if the Evaluation is being repeated.

DRAFTS-EVALUATION QUEUE

A total of 10 requests were completed in the month of March. 100% of the requests had IANA days of 7 or less. The IANA days do not include the time that the document is waiting for Last Call to finish. The highest number of total processing days for evaluations was 16 days.

As of the last day of the month there were 3 open requests. The highest number of IANA days as of the end of the month was 13 days, however this was due to an error in state changes. Two of the 3 requests were waiting on the Last Call to finish before IANA could send official comments. The remaining request will eventually be moved from the evaluation queue as it is not an official request for evaluation review.

Media (MIME) type requests (e, f)

IANA receives requests for registration of new Media types. Also received, but rarely, are modification and deletion requests for Media types. All of these are processed in the “iana-mime” queue. These requests begin with the receipt of an application for (or modification/deletion of a Media type and end with the request being resolved with a successful registration, removal or modification. In some cases the requests are closed due to withdrawal of the request by the requester or via administrative closure, typically due to lack of response from the requester. We understand that MIME Media types are currently referred to as just “Media Types”. The queue “iana-mime” however, was named prior to this change.

IANA-MIME QUEUE

A total of 4 requests were closed in the month of March. 100% of the closed requests have been completed with an IANA time as outlined in the processing goals of 14 days or less. The majority of the time spent on these request was with the requester and expert.

At the end of the month, there were a total of 4 open requests. Three of the requests were waiting on the expert to complete the review. The remaining request was new and going through normal processing. The maximum number of days any of these requests had been in IANA time as of the end of the month was 5 days. The most number of total days for requests still open as of the last day of March was 13 days.

New Port number requests (g)

IANA receives requests for assignment of new user port numbers. These requests are processed in the “iana-ports” queue. Port requests begin with the receipt of an

application for a user port number and end with the request being resolved with a successful registration, withdrawn by the requester, or administratively closed.

IANA-PORTS QUEUE

There were a total of 27 requests closed in the month of March. 100% of those requests were processed with an IANA time within the 14-day goal. Of the total requests that were closed this month, 1 request had a total processing time of 40 days. The majority of the life of this request was spent with the requester.

As of the end of the month there were 11 requests that were open. All of these had IANA days of 13 or less and all but 1 request was waiting on the requester or the expert. Out of the 11 requests still open, 2 have been open more than 30 days (174 and 127). For both of these requests the majority of the time has been with the requester or expert and some time was needed consulting with the IESG.

Modification to and/or deletions of Port number requests (h)

PORT-MODIFICATION QUEUE

IANA receives requests for modification of existing port numbers. Also received, but are rare, are deletion requests. Both of these are processed in the “port-modifications” queue. These requests begin with the receipt of a modification (or deletion) request and end with the request being resolved with a successful modification (or removal) or closed due to withdrawal or administrative closure.

During this reporting period, there were a total of 5 closed requests. 80% of these requests were completed within the goal processing time of 7 IANA days or less. One request had 8 IANA days. The most days for total processing time for these requests was 17 days.

There were 3 open requests at the end of the month. All 3 requests are waiting for a response from the requester and only 1 day had been spent in IANA time so far.

New Private Enterprise Number (PEN) requests (i)

All PEN (Private Enterprise Numbers) type requests are processed in an automated program that does not go through IANA’s ticketing system. The tool includes new, modification and deletion requests. The tool does not yet produce statistics similar to what is available for the other protocol parameter queues. Raw data shows that 190 new PENs were assigned in March 2008.

Modification to and/or deletions of PEN requests (j)

Modifications and/or deletions of PENs occur in a separate tool in which the statistics production is not yet available. More information can be found above in the “New

Private Enterprise Number (PEN) requests” section. Raw data shows that 14 existing PENs were modified in March 2008.

New IANA TRIP ITAD Numbers (k)

IANA receives requests for assignment of new TRIP ITAD numbers. These requests are processed in the “iana-trip” queue. Requests begin with the receipt of an application for a TRIP ITAD number and end with the request being resolved with a successful registration, withdrawn by the requester, or administratively closed.

IANA-TRIP QUEUE

There were a total of 13 IANA-TRIP requests closed in the month of March. 85% of the closed requests had an IANA time of 7 days or less. There was one request with a total of 31 days due to unresponsiveness of the requester.

There were 9 requests that remain open at the end of the month. Two requests were waiting on a response from the requester. The remaining 7 requests were following normal processing and were within the goal IANA processing days.

Requests relating to other IETF-created registries for which the request rate is more than five per month (l)

For those registries where there are more than 5 requests per month, IANA creates a separate queue for tracking those tickets.

IANA-MULTICAST QUEUE

There were no requests closed during the month of March. As of the end of the month, there were 2 open requests and both requests were within the IANA time goals.

IANA-PROT-PARAM QUEUE

Note: The IANA-PROT-PARAM queue is for all the miscellaneous requests that are not processed in a separate queue due to the lack of volume for any one type of request. These requests can be first-come first-served, expert review, IESG approval or another review method. In the SLA, processing goals are determined on the type of request. However, for this queue there is no separation of request type.

There were 2 requests closed during the month of March. One request was processed within the appropriate IANA time goals (see breakdown below) and 1 request was administratively closed (not included in the table).

Request Type	Number of Requests	IANA goal time	Requests completed within goal
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Expert Review	1	14 days or less	1
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There were 5 requests open as of the end of the month. Two requests were waiting on the requester or expert. Two requests may require some revising of the registries. IANA is working with the requesters, experts and Area Directors to determine the next steps. As of the end of March, the total time for 1 of the open requests had reached 413 days. This request was previously waiting on input from the Area Directors but has since been waiting for a response from the requester. It will be administratively closed if there is not response from the expert.

Deliverables

In accordance with the SLA, the IANA is reporting on the following deliverables due within three (3) months of implementation of the agreement for the reporting year 2008:

- 1) Provide publicly accessible, clear and accurate periodic statistics (continual)
- 2) Track and publicly report on a monthly basis (monthly report - continual)
- 3) Single points of failure documentation to IETF-IANA Working Group (continual)
- 4) IESG Transparency into status of individual requests
- 5) Public Transparency into status of individual requests
- 6) Review output from RFC Inventory project to complete any incomplete actions – 3 month status update

Provide publicly accessible, clear and accurate periodic statistics

See “Statistics” section of this report and also <http://www.iana.org/reporting-and-stats/index.html>.

Track and publicly report on a monthly basis (monthly report)

The SLA describes 3 items IANA will provide monthly reports. These items are outlined below along with a description of actions taken for each.

- a. Resource allocation statistics as described in SLA item 18

In item 18 of the SLA, there is a detailed list of statistics to be produced for the monthly report. The agreed upon partial statistics are found in the “Statistics” section of this report.

- b. The utilization of all identified finite resources defined within ICANN/IANA registries

The IANA is undertaking a project to review all registries to identify those that are finite and additionally those that are in danger of being exhausted. As of the end of this reporting period, no registries have been identified as being in danger of exhaustion. IANA will continue to report findings in future monthly reports.

c. Efforts that have addressed single points of failure/expertise (see item 3 in the SLA)

Single points of failure documentation to IETF-IANA Working Group (continual)

In conjunction with the monthly report, the IANA submits a separate document to the IETF-IANA Group documenting what steps have taken place to examine all known single-points of failure related to the IETF work. For those known single-points of failure, IANA will describe what actions were taken to correct where the point existed or what plan has been put in place for future resolution. During this reporting period, no single-point of failure was identified.

IESG transparency into status of individual requests

The IESG now has the ability to check both the existence and status of IETF related requests in the IANA ticketing system. The IESG has been sent a separate message with instructions on how to obtain a login/password for obtaining access to the information. IANA is currently reviewing this new tool and the current output to determine where further improvements could be made for providing the IESG additional information.

Public transparency into status of individual requests

An individual requester now has the ability to check both the existence and status of their request. The requester will be provided with a URL when they create a ticket with IANA. At this URL, <https://rzm.iana.org:8080/ticket-status/app>, the requester enters their numerical ticket number and they will be provided with the status of the request, which queue it is in and the date created. IANA is currently reviewing this new tool and the current output to determine where further improvements could be made for providing the requester additional information.

Note: The URL mentioned above is at a temporary location as IANA is currently in the middle of some server changes and will be moving it by the end of April. The Requester will be provided the updated URL after the migration has been completed.

Review output from RFC Inventory project to complete any incomplete actions – 3 month status update

During 2007, IANA reviewed RFCs 1-4500 and gathered data about any IANA actions that were not completed through publication. Incomplete actions included typos, reference updates, to missing registries. As part of the deliverables for the 2008 SLA, data output for 1500 RFCs will be reviewed and proposed actions will be categorized. Actions will be completed or communications to clarify the proposed actions will begin. During the last 3-month period, IANA has reviewed the results of the data for the following blocks of RFCs and created action tickets to perform the incomplete actions or modifications:

RFC Block	Number of Tickets Created
1-255	0
256-500	0
501-750	0
3000-3099	11
3100-3250	14
3251-3350	20
3351-3500	18
3501-3750	30
3751-4000	17
4001-4250	25
4251-4500	28
Total RFCs Reviewed: 2250	Total Tickets Created: 163

To better understand the types of additions/modifications that needed to be performed, IANA categorized the types of changes requested in each ticket. It is possible for a ticket to have more than one type of change. See below for the results:

Type of Change	Number of tickets
Create Registry	2
Matrix Update	40
Reference Update	80
Registration Procedures	20
Typo Fix	12
Update existing registry	35
Other (not part of above categories)	15

IANA has only completed work for 4 tickets from the breakdown in first table. A schedule for completing the work items has been set-up for the next 6-month period. Another status report on both ticket creation and work completed will be provided in the 6th month report.

Conclusions

IANA has met all processing goals for this reporting period. The additional deliverables have also been completed and reported on.